(Page 1 of 3)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-637 Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Ford Motor Company exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: TFM2.0VJG1EK <u>Displacement</u>: 2.0 Liters (121 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter Heated Oxygen Sensors (two) Exhaust Gas Recirculation Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	Monoxide (20°F)
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>
50,000	0.07	0.8	0.2	5.3
100,000	0.08	1.1	0.3	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this _______ day of August 1995.

R.)B. Summerfield

Assistant Division Chief Mobile Source Division 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1 of 2 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Fuel Type(s) Hybrid: Type Engine Confi	FORD MOTOR OK X Useful er-0 Tier-1 s): PC X LDT Std for Multi- el(s): Indo X M85 : Dedicated CNG LNG EA B C Guration: I-4 it X Mid. F (eg., EGR, MFI	CNGFlexLPG, APU CDispla	LPG	Other (Dual-E (specif g., Ott 2.0 /	specify) Fuel Gas Fy) Fo, Diesel, Tu Fuel Gas Fu	oline_X rbine)	Diesel M	nches
	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.	EGR	Catalyst	
Engine Code/	(If Coded	Type:	Test				Part No.	
	see	A-Auto	. 1	DPA	Part No.	Syst. Part No -9M444-		
CALIF	Attachmt.)	M-Man.	,	0	-12A650-	-9M444-	-5E211-	
2.0L 604PR05 N	CONTOUR 1FA	A	3125	5.7	96BB-DB	948FBA	94BBFH	
A	"	11	3125	6.3	11	"	 !*	
N	MYSTIQUE 2FA	"	3250	5.7	1		"	
A))	"	3250	6.3	"	, " 		
603PR05 N	CONTOUR 1FA	M "	3125 3125	5.8 6.4	96BB-BB	948FBA	94BBFH	
A		"	3125	5.8	10	"	"	
N	MYSTIQUE 2FA	,,,	3125	6.4	11	н н	11	
A 604PR06 N	CONTOUR 1FA	A	3125	5.3	96BB-DC	948FBA	94BBFH	
604PROG N					96BB-DD(alt)]	
А	· H	17	3125	5.8	ļ "	"	17	
N N	MYSTIQUE 2FA		3250	5.3	ii ii	н	11	
A	111011201	"	3250	5.8	"	"	"	
603PR06 N	CONTOUR 1FA	м	3125	5.4	96BB-BC 96BB-BD(alt)	,	94BBFH	
•	17	"	3125	5.9	11	U	19	
A	1	"	3125	5.4	**	н	17	
N A	MYSTIQUE 2FA	"	3250	5.9	"	"	**	
@ Star	dard tire (P18) on Standards 50K/100K 0.25/0.31 3.4/4.2 0.4/0.6 2.0 10.0	5/70R14)	shown					

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 6-28-95 REVISED: 10-27-95

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 2 of 2-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Evap Std: 5 Exh Std: Tie Veh Class(es Single Cert Exh Cert Fue Fuel Type(s) Hybrid: Type Engine Confi	er-OTier-1_s): PC_XLDT Std for Multi- el(s): Indo_X	X TLEV_1 LD. Class En Ph2_CNG Flex LPG, APU C Displa	LEV	Evap ULEV (s 13 CCR Other (Dual-F (specif g., Ott 2.0 /	pecify: N/A, 2282 or 40 specify) uel Gas y o, Diesel, Tu Liter	: TFM104 A Tier-0 3 MDV LDT1, MDV CFR 86.1 oline X rbine) 4WD-PT	74 MDV 71, ETC.) .13-90 C	75 or -94 M85 = Inches
Engine Code/ CALIF	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA @	Ign. Sys. (ECM/PCM) Part No. -12A650-	EGR Syst. Part No -9M444-	Catalyst Part No.	
2.0L 604PR10 N A N A	CONTOUR 1FA " MYSTIQUE 2FA	A " "	3125 3125 3250 3250	5.3 5.8 5.3 5.8	96BB-DB " "	948FBA " "	94BBFH	
603PR10 N A N A	CONTOUR 1FA " MYSTIQUE 2FA	M " "	3125 3125 3125 3250	5.4 5.9 5.4 5.9	96BB-BB " "	948FBA " "	94BBFH "	
@ Stan	dard tire (P18	 5/70R14) 	shown 					
Certificati NMHC: CO: NOX: EVAP:	on Standards 50K/100K 0.25/0.31 3.4/4.2 0.4/0.6 2.0							

COLD CO: 10.0

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of ____
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufactur	er.	FORD MOT	FOR	COMPANY		Eng.	Family TFM2.0	VJG1EK		
Evap Std:	5	OK X Usei	Eul	Life wit	h R/L	Evap	Engine Family	7: <u>TFM104</u>	SAYPAB	
Exh Std: T	'ie	r-O Tie	r-1_	X TLEV	LEV	ULEV	ZEV; EE	PA Tier-0_	Tier-1_	
Veh Class(es): PC X	LD	rı LD	T2 M	DV1	MDV2MDV	73 MDV	74 MDV5	
Single Cer	·t.	Std for Mul	lti.	-Class En	q Fam:	(s	specify: N/A,	LDT1, MDV	71, ETC.)	
Evh Cort E	nie.	1 (g) · Indo	x	Ph2	_ Diesel:	13 CCR	2282 or 40	CFR 86.1	.13-90 or	-94
EAR COLU I	uc	MR5		CNG	LPG	Other ((specify)			
Enal Erma(۳.	. Dedicat		Flex-	Fuel	Dual-E	TuelGas	soline X	Diesel	M85
ruer Type (, 5 /	. Dealcac	LNG		Other	(specif	y)			
Tarland I III		CING	ر مینو	PIG	vole (e	a. Ott	o, Diesel, Tu	irbine)		
Hybrid: ly	, pe	A b	T_1	, Aro c	cement.	2 0	Liter_	/	Cubic	Inche
Engine Con	1 T T	guracion . v M:d		Dispid	rive. FM	m x Ri	VD4WD-FT	4WD-PT		
Engine: Fi	.011	C_A_ MIG	'	ת שמי בא	C) · EGE	ייטר אר	SFI, H02S(Z)			
Exnaust EC	.5	(eg., EGR,	MF.	1, 1C, CA	.c/. <u></u>	(Tide	abbreviations	ner SAE	J1930 Sep	91)
						7050	abbieviaeion.			,
		Veh. Mode	1 &	Trans.	Equiv	RIJE	Ion. Svs.	EGR	Catalyst	
Engine		(If Coded					Ign. Sys. (ECM/PCM)	Svst.	Part No.	
Code/	- 1	see		A-Auto	Weight	מפת	Part No.	Part No		
CALIF	ļ	Attachmt				@	-12A650-	-9M444-		
	ļ	Actaenme	.,	i M-Man. i		9	L	L		
2.0L										
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	\	CONTOOR 1.	r.a.	A	3125	5.8	"	H	ıı ı	
		MYSTIQUE 2	Eνλ	!!		5.3	, "	11	п	
	- 1	MISITQUE 2	FA	"	3250	5.8	! 10		"	
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C02DD12 N	, l	CONTOUR 1	מים	м	3125	5.4	96BB-BF	948FBA	94BBFH	
	A I	" CONTOOR I	rA	1 10		5.9	u	į n	11	
	•	MYSTIQUE 2	מים	; u		5.4	4 • • • • • • • • • • • • • • • • • • •	į o	j n	
_	:	MISITQUE Z	ra	"	3250	5.9		i n	и	
£	A				J250	3.5	i	İ	İ	
604DD11 N	,]	CONTOUR 1	FŽ	A	3125	5.3	96BB-DF	948FBA	94BBFK	
	A I	CONTOOR I	LIL	1 11		5.8	n	1 11	1 11	
	. !	MYSTIQUE 2	ביא	l n	3250	5.3	l n	i n	11	
	:	MISTIQUE Z	rn	1 11	3250	5.8	, 	j "	11	
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602DD11	NT.	CONTOUR 1	FΔ	M	3125	5.4	96BB-BF	948FBA	94BBFK	
	A.			1 "	3125	5.9	11	j n	1 #1	
		MYSTIQUE 2	T A	11	3125	5.4	11	п		
	1	MISITOOF 2	FA	! 	3250	5.9	1 11	u	IE.	
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Certifica	ti.	on Standard	ls.	1						
CEICILICA		50K/100K	•••			ì		İ	Ì	
NMHC:		0.25/0.31		1	i	i	i	i	İ	
CO:		3.4/4.2				i	i	İ	İ	
		0.4/0.6		1	İ	İ	i	i	İ	
NOx: EVAP:		2.0 —		1	1	<u> </u>	<u> </u>	<u>i</u>	<u>i </u>	
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COLD CO		10.0								

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 3-20-96 REVISED: 20.09.17.02 - 3

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of____ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacture	FORD MOTOR	COMPANY		Eng.	Family TFM2.	VJG1EK		
Evap Std: 5	r <u>FORD MOTOR</u> 50K <u>X</u> Useful er-0 <u>Tier-1</u>	Life wit	h R/L	Evap	Engine Family	7: <u>TFM104</u>	15AYPAB	
Exh Std: Tie	er-O Tier-1_	X TLEV	LEV	ULEV	ZEV; EI	PA Tier-0	Tier-1_	
Veh Class(es	s): PC X LD7	[1 LI	DT2 N	IDV1	MDV2 MD1	73 MDV	74 MDV	>
Single Cert	Std for Multi-	Class En	g Fam:	(:	specify: N/A,	LDT1, MDV	/1, ETC.)	
Exh Cert Fue	el(s) · Indo X	Ph2	Diesel:	13 CCR	2282 or 40	CFR 86.3	L13-90 ox	-94
	M85	CNG	LPG	Other	(specify)			
Fuel Type(s)) · Dedicated	Flex-	Fuel	Dual-1	Fuel Gas	soline <u>X</u>	Diesel	M85
	CNG LNG	$_{ m LPG}$	Other	(speci:	Ey)			
Hybrid: Type	A B C	. APU C	cvcle (e.	.q., Ott	co, Diesel, Tu	irbine)		
Engine Confi	iguration: I-4	Displa	cement:_	2.0	/ Liter	/	Cubic	Inches
Engine: From	nt X Mid F	Rear I	rive: FV	VD <u>X</u> RI	WD 4WD-F"I	4WD-PT_		
Exhaust ECS	(eg., EGR, MF)	I, TC, CA	AC): <u>EG</u> F	R, TWC.	SFI, HO2S(2)			
				(Use	abbreviations	s per SAE	J1930 Ser	91)
Engine	Veh. Models	Trans.	Equiv.	RLHP	Ign. Sys.	EGR	Catalyst	
Code/	(If Coded				(ECM/PCM)	Syst.	Part No.	
CALIF		A-Auto			Part No.	Part No	1	
	Attachmt.)	•		@		-9M444-		
					 	<u> </u>		
2.0L								
604NR00 N	CONTOUR 1FA	A	3375	4.6	96BB-EA	:	<u>:</u>	
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@ Stan	dard tire (P19	5/65R14} 	1	 			1	
Cortificati	 on Standards							
CGLUILICALI	50K/100K		İ	i		İ	İ	
NMHC:	0.25/0.31]	i	İ		İ	İ	
	3.4/4.2	 	1	}		ì	İ	
CO: NOx:	0.4/0.6	ŀ	1	i		i	İ	
EVAP:	2.0	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>i</u>	<u>i </u>	
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COLD CO: 10.0

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page ____ of ____ PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Evap Std: 55 Exh Std: Tie Veh Class(es Single Cert Exh Cert Fue Fuel Type(s) Hybrid: Type	M85): Dedicated_ CNGLNG = A B C	Life wit X TLEV_ Class En Ph2 CNG LPG , APU C	th R/L	Evap ULEV UDV1 (s 13 CCR Other Dual-1 (speci:	Engine Family ZEV; EN MDV2 MDV Specify: N/A, 2282 or 40 (specify) Fuel Gas fy) to, Diesel, To	7: TFM104 PA Tier-0 PA Tie	MSAYPABTier-1 /4MDV5 /1, ETC.) L13-90or -94 DieselM85	
Engine: From	nt <u>X</u> Mid F	Rear L	rive: FV	VD_X RI	WD 4WD-F_T_	4WD-PT_	Cubic Inch	==
Exhaust ECS	(eg., EGR, MFI	TC, CF	AC): <u>EG</u> F	R, TWC,	SFI, HO2S(2)		J1930 Sep 91)	
Engine Code/	Veh. Models (If Coded	Trans. Type:	Equiv.	RLHP or	Ign. Sys. (ECM/PCM)		Catalyst Part No.	
CALIF	see		Weight	l .	Part No.	_		
	Attachmt.)	M-Man.		@	-12A650-	-9M444-	-5E211-	
2.0L							6.422	
604NR00 N	CONTOUR 1FA	A	3375 3375*	4.6	F6PF-EA	948FBA "	94BB FH "	
A] 	, , , , , , , , , , , , , , , , , , ,	33/5*	5.1	 			
604NR10 N	CONTOUR 1FA	A	3375	4.6	F6PF-EB	948FBA	94BBFH	
A	п	11	3375*	5.1	et .	1f	rı	
* Test	at next higher	ETW					<u> </u>	
@ Stan	dard tire (P195	5/65R14)	.				 	
Certification	 on Standards							
	50K/100K			İ	j		j	
NMHC:	0.25/0.31	į		ļ	1	[
CO:	3.4/4.2				1]		
NOx:	0.4/0.6			!			1	
EVAP:	2.0	l			1		<u>.</u>	
COLD CO:	10.0							

ENGINE FAMILY: TFM2.0VJG1EK ISSUED: 5-10-96 REVISED: 8-13-96